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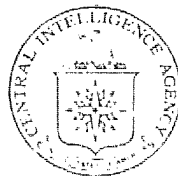
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NPIC/R-141/64  
February 1964

## PHOTOGRAPHIC INTERPRETATION REPORT

# SAM ASSEMBLY AND SUPPORT FACILITIES, LENINGRAD, USSR

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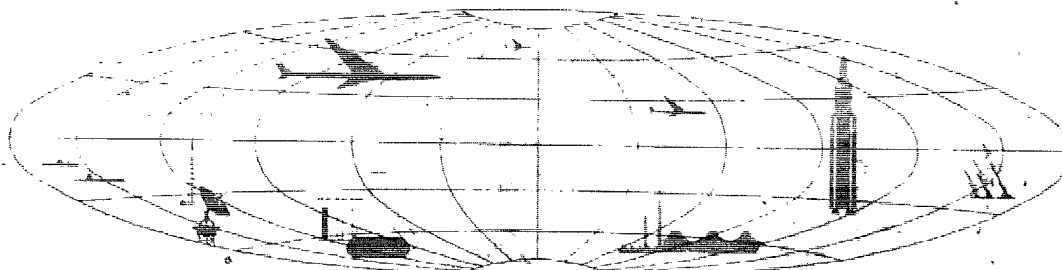
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PHOTOGRAPHIC INTERPRETATION REPORT

SAM ASSEMBLY AND SUPPORT FACILITIES,  
LENINGRAD, USSR

NPIC/R-141/64  
February 1964

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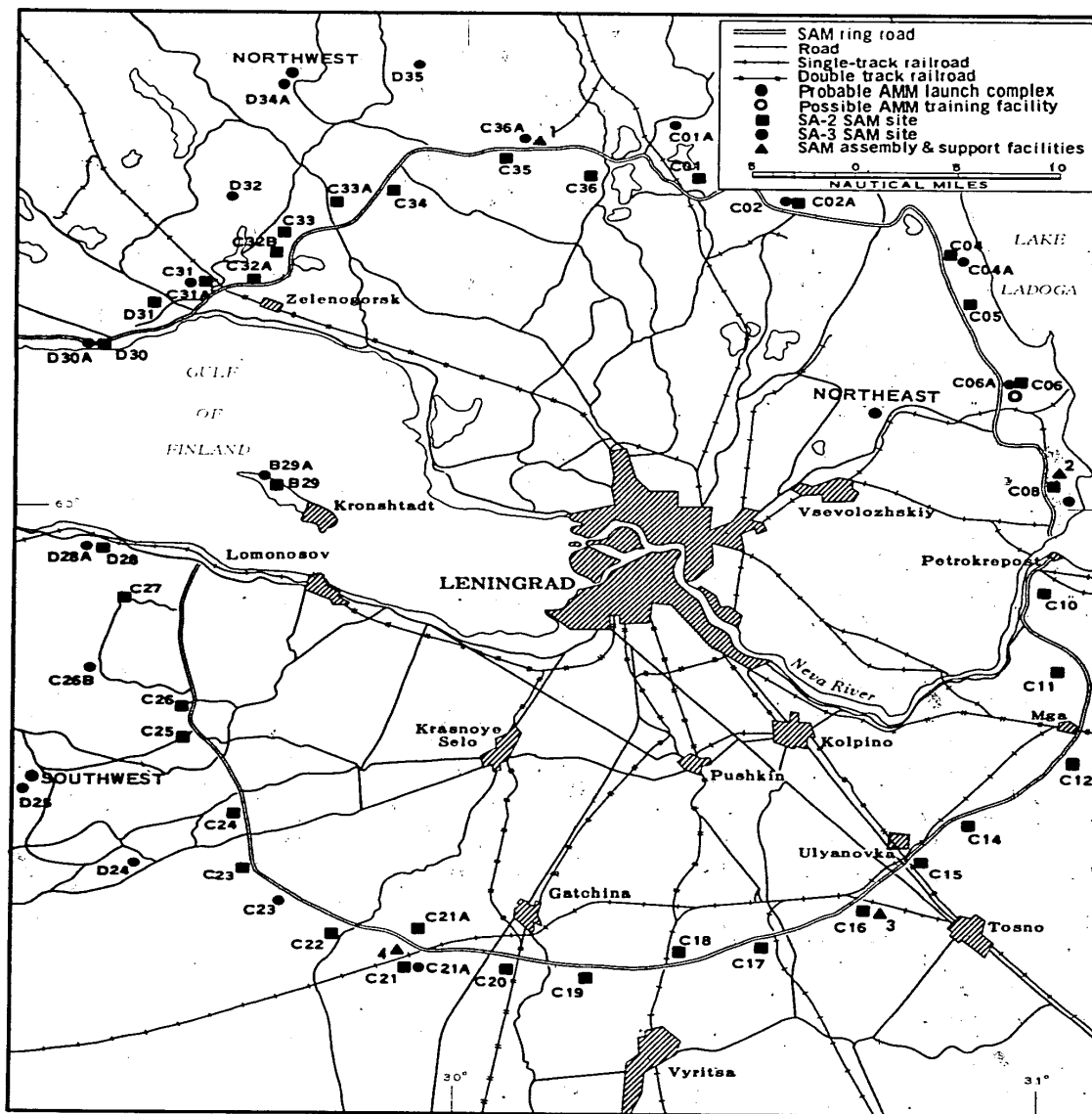


FIGURE 1. SAM ASSEMBLY AND SUPPORT FACILITIES NEAR LENINGRAD.

NPIC H-7407 (2/64)

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## INTRODUCTION

25X1D Four SAM assembly and support facilities were identified in the Leningrad area on KEY-HOLE photography of [REDACTED]. These facilities are on the Leningrad SAM ring road and each is connected by rail spur to the main rail system (Figure 1). The overall design, the structures, and the dimensions of the Leningrad facilities are similar to Moscow SAM assembly and support facilities like the one at Istra. 1/ No Type I or Type II SAM support facilities, such as have been observed in other areas defended by SA-2s, have been identified near Leningrad. 2/

25X1D Construction on at least one of these Leningrad facilities was observed on TALENT photography of [REDACTED]. The next photographic coverage of the Leningrad area,

KEYHOLE Mission [REDACTED] showed one facility apparently complete. The other three facilities appeared complete by [REDACTED]

25X1D

The lack of photographic coverage in the [REDACTED] period and the quality of photography from [REDACTED] leave a gap in the dating of construction of the facilities.

25X1D

25X1D

25X1D

The facilities probably support SA-2 and SA-3 systems in the area by providing for assembly, checkout, recycling, and storage. All are readily accessible to the probable AMM launch complexes and may service them. There is no photographic evidence that they do; conversely, there is no photographic evidence that they do not.

## DETAILED ANALYSIS

## SAM ASSEMBLY AND SUPPORT FACILITY 1

25X1A This secured facility, [REDACTED] is approximately 27 nautical miles (nm) north of Leningrad at 60-23-20N 30-11-10E. It is situated on the north side of the SAM ring road and is served by a single-track rail spur that extends approximately 4.5 nm south from the main rail line.

The facility is composed of an assembly and support area and a housing and administration area (Figure 2). The assembly and support area is separately fenced and contains 70 structures ranging in size from 460 by 80 feet to 30 by 30 feet. The area is served by rail spur and an internal network of roads. The housing and administration area, also separately fenced, contains 36 administration, housing, and storage buildings; and there are 38 other buildings, not fenced, that probably furnish support.

## Assembly and Support Area

The numbering of the following list of structures is keyed to the item numbers on Figure 2.

1. Possible ready-missile storage building 155 x 150 feet; concrete apron at entrance; probably flat roof
2. Possible ready-missile storage building 145 x 135 feet; concrete apron at entrance; probably flat roof
3. Possible ready-missile storage building 230 x 160 feet; large concrete apron at entrance; multiarched roof
4. Drive-through building 105 x 55 feet; gable roof
5. Building 30 x 30 feet; flat roof
6. Building 40 x 30 feet; flat roof
7. Building 185 x 85 feet; two concrete roads pass through; probably low-pitched gable roof

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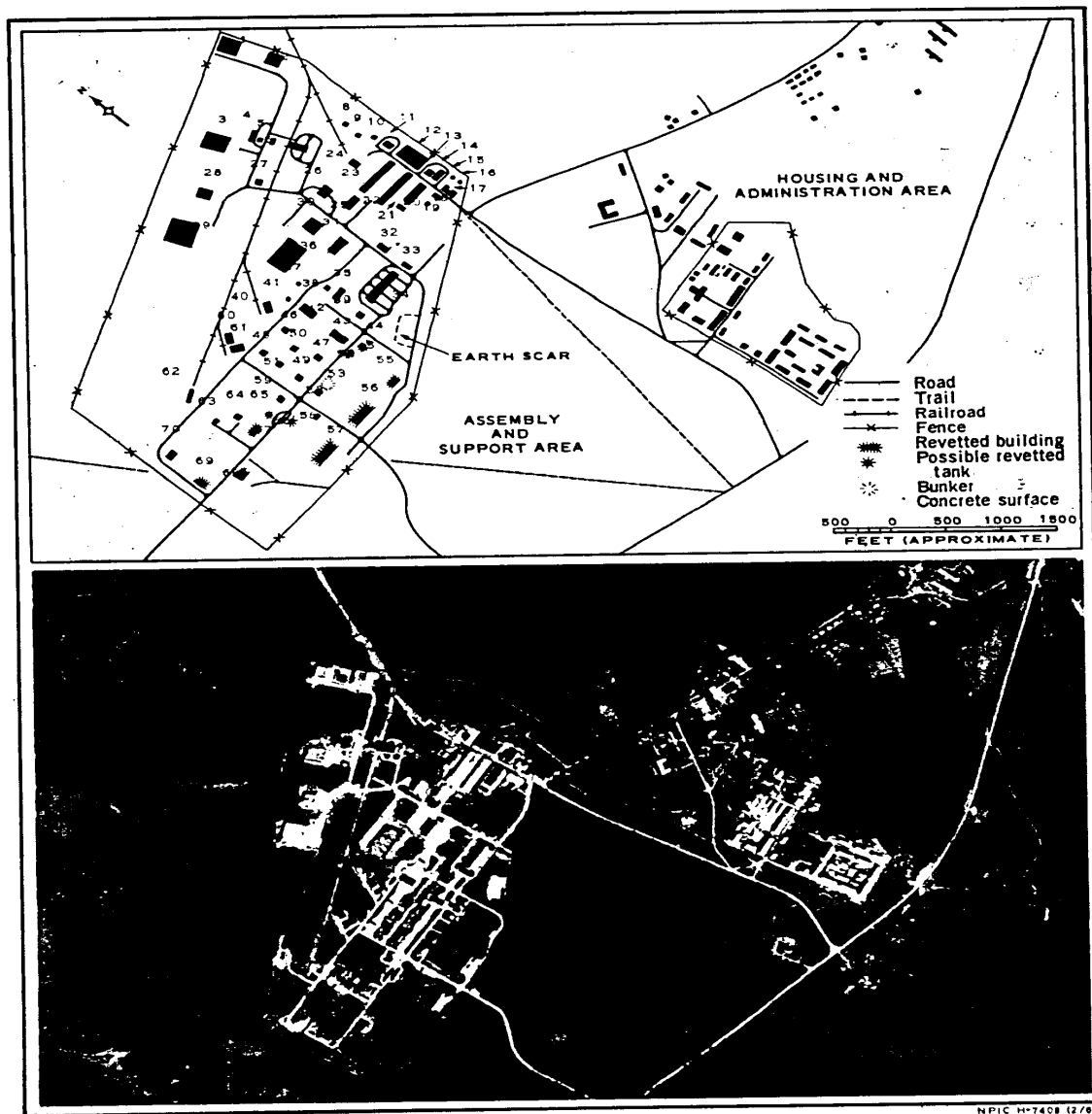


FIGURE 2. FACILITY 1.

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- |        |   |        |   |
|--------|---|--------|---|
| 8-10.  | Buildings 65 x 50 feet; probably flat roofs   | 30.    | Drive-through building 180 x 150 feet; wide concrete aprons at both entrances; flat roof                                  |
| 11.    | Building 85 x 65 feet; probably flat roof   | 31.    | Probable drive-through building 230 x 100 feet; probably gable roof   |
| 12.    | Storage building 270 x 100 feet; concrete apron along one side; probably flat roof                          | 32.    | Building 110 x 70 feet; roof type undetermined  |
| 13.    | Building 80 x 55 feet; roof type undetermined   | 33.    | Building 70 x 65 feet; roof type undetermined   |
| 14.    | Building 165 x 75 feet; probably gable roof   | 34.    | Drive-through probable checkout building 360 x 105 feet; three [REDACTED] roads pass through building; probably flat roof |
| 15-16. | Buildings 35 x 35 feet; roof type undetermined  | 35.    | Storage building 120 x 35 feet; gable roof  |
| 17.    | U-shaped administration-type building 120 x 70 feet; probably gable roof                                    | 36.    | Building 330 x 215 feet; wide concrete apron at entrance; multiarched roof  |
| 18.    | Building 90 x 55 feet; probably gable roof  | 37.    | Building 75 x 60 feet; probably flat roof   |
| 19.    | Building 60 x 45 feet; probably gable roof  | 38-39. | Buildings 65 x 35 feet; each has two concrete aprons; probably gable roofs  |
| 20.    | Storage building 300 x 100 feet; concrete aprons on three sides; flat roof                                  | 40.    | Rail-served building 135 x 70 feet; probably gable roof   |
| 21.    | Building 100 x 35 feet; probably flat roof  | 41.    | Building 65 x 60 feet; probably flat roof   |
| 22.    | Storage building 460 x 80 feet; concrete apron between this and Item 23; gable roof                         | 42-43. | Drive-through probable checkout buildings 130 x 70 feet; concrete aprons on two sides; flat roofs                         |
| 23.    | Storage building 460 x 70 feet; concrete apron between this and Item 22; gable roof                         | 44.    | Revetted storage building 35 x 25 feet; roof type undetermined  |
| 24.    | Rail-served probable heat plant 70 x 45 feet  | 45.    | Revetted possible oxidizer storage tank, approximately 25 feet in diameter  |
| 25.    | Storage building 160 x 90 feet; gable roof  | 46-49. | Drive-through probable checkout buildings 75 x 45 feet; probably gable roofs  |
| 26.    | Drive-through building 115 x 75 feet; two concrete roads pass through; probably low-pitched gable roof      | 50-51. | Buildings 75 x 65 feet; probably gable roofs  |
| 27.    | Building 60 x 60 feet; probably flat roof   | 52.    | Building 70 x 45 feet; probably flat roof   |
| 28.    | Possible ready-missile storage building 115 x 110 feet; concrete apron at entrance; flat roof               | 53.    | Probable bunker 80 x 35 feet  |
| 29.    | Possible ready-missile storage building, 245 x 235 feet; large concrete apron at entrance; multiarched roof | 54.    | Revetted storage building 60 x 35 feet; roof type undetermined  |
|        |   | 55.    | Revetted storage building 70 x 50 feet; wide concrete apron at entrance; flat roof  |

25X1D

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- 56-57. Revetted storage buildings 205 x 80 feet; wide concrete aprons at entrances; flat roofs
- 58. Drive-through building 90 x 40 feet; probably gable roof
- 59. Building 85 x 65 feet; concrete aprons on two sides; probably flat roof
- 60. Rail-served building 100 x 70 feet; probably flat roof
- 61. Rail-served building 145 x 100 feet; probably flat roof
- 62. Rail-served building 90 x 30 feet; gable roof
- 63. Building 35 x 35 feet; probably flat roof
- 64. Building 65 x 50 feet; probably gable roof
- 65-66. Probably revetted storage buildings 30 x 30 feet; flat roofs
- 67. Revetted storage building 85 x 55 feet; probably gable roof
- 68. Storage building 100 x 65 feet, revetted on two sides; concrete apron at entrance; probably flat roof
- 69. Revetted storage building 70 x 65 feet; concrete apron at entrance; probably flat roof
- 70. Building 95 x 85 feet; concrete aprons on three sides; probably multiarched roof

**Housing and Administration Area**

Administration buildings, multistory:

- 1 U-shaped, 165 x 100 feet
- 1 T-shaped, 165 x 100 x 65 feet

Barracks, multistory:

- 2 250 x 65 feet
- 8 200 x 65 feet
- 7 165 x 65 feet
- 2 150 x 50 feet
- 4 100 x 65 feet
- 1 85 x 65 feet

Single dwellings, single story:

- 2 70 x 65 feet

Storage buildings, single story:

- 1 200 x 35 feet
- 1 130 x 100 feet
- 3 75 x 25 feet
- 1 65 x 50 feet
- 1 50 x 35 feet
- 1 50 x 15 feet

There are 38 other buildings, not fenced, that probably furnish support.

**SAM ASSEMBLY AND SUPPORT FACILITY 2**

Facility 2, [REDACTED] is approximately 11.7 nm east-northeast of Vsevolozhskiy and 22.5 nm east-northeast of Leningrad at 60-03-00N 31-02-30E. The secured facility is on the western shore of Lake Ladoga and is served by the SAM ring road and a single-track rail spur that extends approximately 2.5 nm south from the main rail line.

25X1A

Figures 3 and 4 show the assembly and support area and a housing and administration area. The administration and support area is separately fenced and contains 71 structures ranging in size from 330 by 235 feet to 25 by 25 feet. The area is served by rail spur and an internal network of roads. The housing and administration area is also separately fenced and contains 51 administration, housing, and storage buildings. There are additional support building in unfenced areas nearby.

**Assembly and Support Area**

The numbering of the following list of structures is keyed to the item numbers on Figure 3.

- 1-2: Possible buried tanks, approximately 50 feet in diameter
- 3. Unidentified structure 25 x 25 feet



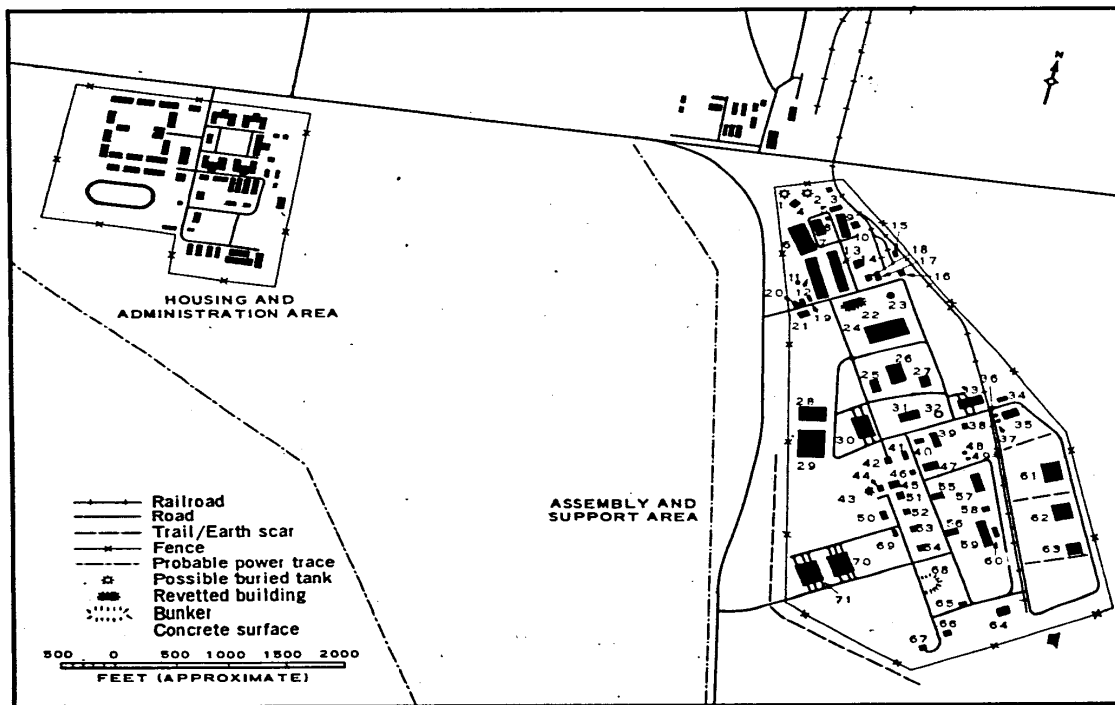


FIGURE 3. FACILITY 2.

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- |   |   |
|---|---|
| 4. Building 50 x 50 feet; probably gable roof             | 12-13. Storage buildings 435 x 80 feet; gable roofs     |
| 5. Building 75 x 50 feet; probably low-pitched gable roof | 14-16. Buildings 65 x 60 feet; probably gable roofs     |
| 6. Building 265 x 135 feet; probably flat roof            | 17. Building 50 x 45 feet; probably gable roof          |
| 7. Building 150 x 75 feet; probably flat roof             | 18. Building 50 x 50 feet; probably gable roof          |
| 8. Building 25 x 25 feet; roof type undetermined          | 19. Storage building 80 x 30 feet; gable roof           |
| 9. Storage building 235 x 65 feet; gable roof             | 20. U-shaped building 100 x 65 feet; probably flat roof |
| 10. Building 65 x 65 feet; probably gable roof            | 21. Storage building 90 x 90 feet; gable roof           |
| 11. Probable standpipe                                    | 22. Revetted storage building 155 x 70 feet; gable roof |

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|--------|--|--------|---|
| 23.    | Probable standpipe   | 45.    | Drive-through probable checkout building 100 x 65 feet; flat roof   |
| 24.    | Probable drive-through storage building 355 x 200 feet; concrete aprons at both entrances; multiarched roof  | 46.    | Building 50 x 50 feet; roof type undetermined   |
| 25.    | Building 100 x 65 feet; concrete apron at entrance; probably flat roof   | 47.    | Drive-through probable checkout building 150 x 65 feet; flat roof   |
| 26.    | Drive-through building 145 x 1,250 feet; probably flat roof  | 48-49. | Probable tanks, 25 feet in diameter   |
| 27.    | Drive-through building 105 x 65 feet; gable roof   | 50.    | Storage building 100 x 65 feet; gable roof  |
| 28.    | Probable storage building 265 x 135 feet; wide concrete apron at entrance; multiarched roof  | 51-54. | Possible drive-through buildings 65 x 60 feet; roof types undetermined  |
| 29.    | Probable storage building 300 x 285 feet; wide concrete apron at entrance; multiarched roof  | 55-56. | Drive-through probable checkout buildings 135 x 50 feet; gable roofs  |
| 30.    | Drive-through building 220 x 135 feet; two concrete roads pass through building; multiarched roof  | 57.    | Storage building 180 x 90 feet; multiarched roof  |
| 31.    | Drive-through probable checkout building 165 x 75 feet; flat roof  | 58.    | Building 60 x 35 feet; probably gable roof  |
| 32.    | Possible tank, 65 feet in diameter   | 59.    | Storage building 300 x 100 feet; multiarched roof   |
| 33.    | Rail-served, drive-through probable checkout building 200 x 75 feet; two concrete roads pass through building; concrete apron at entrances; multiarched roof | 60.    | Storage building 100 x 50 feet; probably gable roof   |
| 34.    | Building 65 x 60 feet; probably flat roof  | 61.    | Possibly earth-covered storage building 210 x 190 feet; probably multiarched roof   |
| 35.    | Building 135 x 65 feet; flat roof  | 62.    | Storage building 210 x 190 feet; multiarched roof   |
| 36-37. | Unidentified circular objects, approximately 60 feet in diameter   | 63.    | Storage building 165 x 140 feet; multiarched roof   |
| 38.    | Unidentified structure, 60 x 50 feet   | 64.    | Building 100 x 85 feet; probably flat roof  |
| 39.    | Storage building 140 x 60 feet; gable roof   | 65.    | Probable drive-through building 65 x 50 feet; probably gable roof   |
| 40.    | Drive-through probable checkout building 70 x 35 feet; gable roof  | 66.    | Building 60 x 50 feet; roof type undetermined   |
| 41.    | Building 85 x 60 feet; probably gable roof   | 67.    | Possibly revetted unidentified structure 50 x 35 feet   |
| 42.    | Building 65 x 65 feet; roof type undetermined  | 68.    | Probable bunker 65 x 35 feet  |
| 43.    | Revetted possible oxidizer storage tank, 35 feet in diameter   | 69.    | Building 60 x 50 feet; probably flat roof   |
| 44.    | Unidentified structure, 30 x 30 feet   | 70-71. | Drive-through probable checkout buildings 200 x 135 feet; each building has three bays and each bay has a through road; multiarched roofs |

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## Housing and Administration Area

### Administration buildings, multistory:

- 1 T-shaped, 200 x 135 feet
- 4 U-shaped, 215 x 135 feet
- 1 U-shaped, 100 x 75 feet

### Barracks, multistory:

- 7 185 x 60 feet
- 4 135 x 55 feet
- 5 100 x 55 feet
- 1 150 x 60 feet
- 1 115 x 60 feet
- 1 100 x 75 feet
- 1 165 x 70 feet
- 2 85 x 50 feet

### Storage buildings, single story:

- 1 70 x 55 feet
- 1 70 x 35 feet
- 1 100 x 35 feet
- 4 50 x 25 feet
- 1 65 x 35 feet
- 3 100 x 60 feet
- 4 135 x 35 feet
- 1 250 x 65 feet
- 4 25 x 25 feet
- 1 135 x 60 feet
- 1 165 x 50 feet
- 1 115 x 65 feet
- 1 probable standpipe

### Athletic track

There is an additional support area immediately north of, and adjacent to, the facility. It is probably associated and contains 14 buildings.

## SAM ASSEMBLY AND SUPPORT FACILITY 3

25X1A

This secured facility, [REDACTED] is approximately 3.3 nm south-southwest of Ulyanovka and 25.2 nm south-southeast of Leningrad at 59-34-50N 30-44-00E. The facility is served by the SAMring road and a single-track rail spur

that extends approximately 0.8 nm northeast from the main rail line.

The facility has an assembly and support area and a housing and administration area (Figure 5). The assembly and support area is double fenced and contains 51 structures. The housing and support area is at least partly fenced and contains 64 administration, housing, and support buildings.

## Assembly and Support Area

The following list of structures is keyed to the item numbers on Figure 4.

- 1-2. Missile-ready/checkout buildings 210 x 210; four hard-surfaced roads pass through each building; multiarched roofs
- 3. Storage building 290 x 50 feet; four roads lead into it; gable roof
- 4. Probable assembly building 350 x 155 feet; probably monitor roof
- 5. Building 25 x 25 feet; roof type undetermined
- 6. Building 115 x 85 feet; probably flat roof
- 7. L-shaped building 200 x 105 x 85 feet; flat roof
- 8-9. Storage buildings 80 x 55 feet; gable roofs
- 10. Storage building 330 x 70 feet; flat roof
- 11. Storage building 315 x 85 feet; probably flat roof
- 12-14. Storage buildings 275 x 95 feet; four hard-surfaced roads lead into each building; probably flat roofs
- 15. Storage building 260 x 90 feet; gable roof
- 16. Building 285 x 115 feet; probably flat roof
- 17. Building 40 x 40 feet; probably gable roof
- 18. Building 75 x 50 feet; roof type undetermined

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FIGURE 4. FACILITY 2.

25X1D

25X1D

- |        |  |        |   |
|--------|--|--------|---|
| 19.    | Building 60 x 25 feet; probably gable roof         | 27.    | Building 25 x 25 feet; concrete apron at entrance; probably flat roof |
| 20-21. | Buildings 30 x 30 feet; roof type undetermined     | 28.    | Building 70 x 35 feet; probably flat roof                             |
| 22.    | Building 60 x 55 feet; roof type undetermined      | 29.    | Bunker 120 x 90 feet  |
| 23.    | Rail-served probable heating plant 105 x 95 feet   | 30.    | Bunker 120 x 90 feet; wide concrete apron at entrance                 |
| 24.    | Storage building 165 x 65 feet; probably flat roof | 31.    | Bunker 60 x 50 feet   |
| 25.    | Storage building 135 x 65 feet; probably flat roof | 32.    | Building 120 x 50 feet; roof type undetermined                        |
| 26.    | Storage building 290 x 50 feet; gable roof         | 33-34. | Drive-through probable checkout buildings 60 x 50 feet; gable roofs   |
|        |  | 35.    | Unidentified structure 70 x 30 feet                                   |
|        |  | 36.    | Unidentified structure 30 x 30 feet                                   |

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37. Drive-through probable checkout building 65 x 40 feet; gable roof
38. Drive-through probable checkout building 140 x 30 feet; flat roof with probable rooftop ventilators
39. Revetted storage building 40 x 40 feet; roof type undetermined
40. Drive-through probable checkout building 60 x 50 feet; probably gable roof
41. Drive-through building 210 x 210 feet; multiarched roof
42. Building 145 x 125 feet; concrete apron at entrance; probably gable roof
43. Probable vehicle-storage building 140 x 100 feet; gable roof
44. Building 45 x 45 feet; roof type undetermined
45. Storage building 105 x 55 feet; gable roof
46. Building 30 x 30 feet; roof type undetermined
47. Building 55 x 40 feet; probably gable roof
48. Building 40 x 20 feet; probably gable roof
49. Building 40 x 40 feet; roof type undetermined
50. Building 35 x 10 feet; probably gable roof
51. Unidentified structure

**Housing and Administration Area**

**Administration buildings, multistory:**

- 1 T-shaped 150 x 130 feet
- 1 U-shaped 100 x 65 feet

**Barracks, multistory:**

- 3 90 x 55 feet
- 7 115 x 55 feet
- 3 130 x 55 feet
- 3 175 x 55 feet
- 3 115 x 45 feet
- 2 235 x 60 feet

**Barracks, single story:**

- 4 60 x 60 feet

**Storage buildings, single story:**

- 1 235 x 60 feet
- 1 145 x 55 feet
- 6 115 x 45 feet
- 6 55 x 55 feet
- 4 115 x 60 feet
- 2 105 x 45 feet
- 2 65 x 50 feet
- 1 60 x 60 feet
- 1 75 x 55 feet
- 2 55 x 30 feet
- 1 60 x 45 feet

**Athletic track**

**Miscellaneous buildings, single story:**

- 1 60 x 30 feet
- 6 support, 25 x 25 feet
- 1 support, 75 x 50 feet
- 1 support, 45 x 45 feet
- 1 support, 55 x 30 feet

**SAM ASSEMBLY AND SUPPORT FACILITY 4**

This facility, [REDACTED] is approximately 7 nm southwest of Gatchina and 27.5 nm southwest of Leningrad at 59-31-30N 29-55-10E. The facility is on the north side of the SAM ring road and is served by a single-track rail spur that extends approximately one nm northwest from the main rail line.

The facility has a double fenced assembly and support area and three nearby support areas containing administration and housing (Figures 6 and 7). There is an SA-2 site adjacent to the administration and housing area northeast of the assembly and support area.

The assembly and support area contains 76 buildings, four of which are drive-through, monitor roofed, assembly buildings, 225 by 75 feet. The presence of these buildings as well as of a transloading point at the junction with the main

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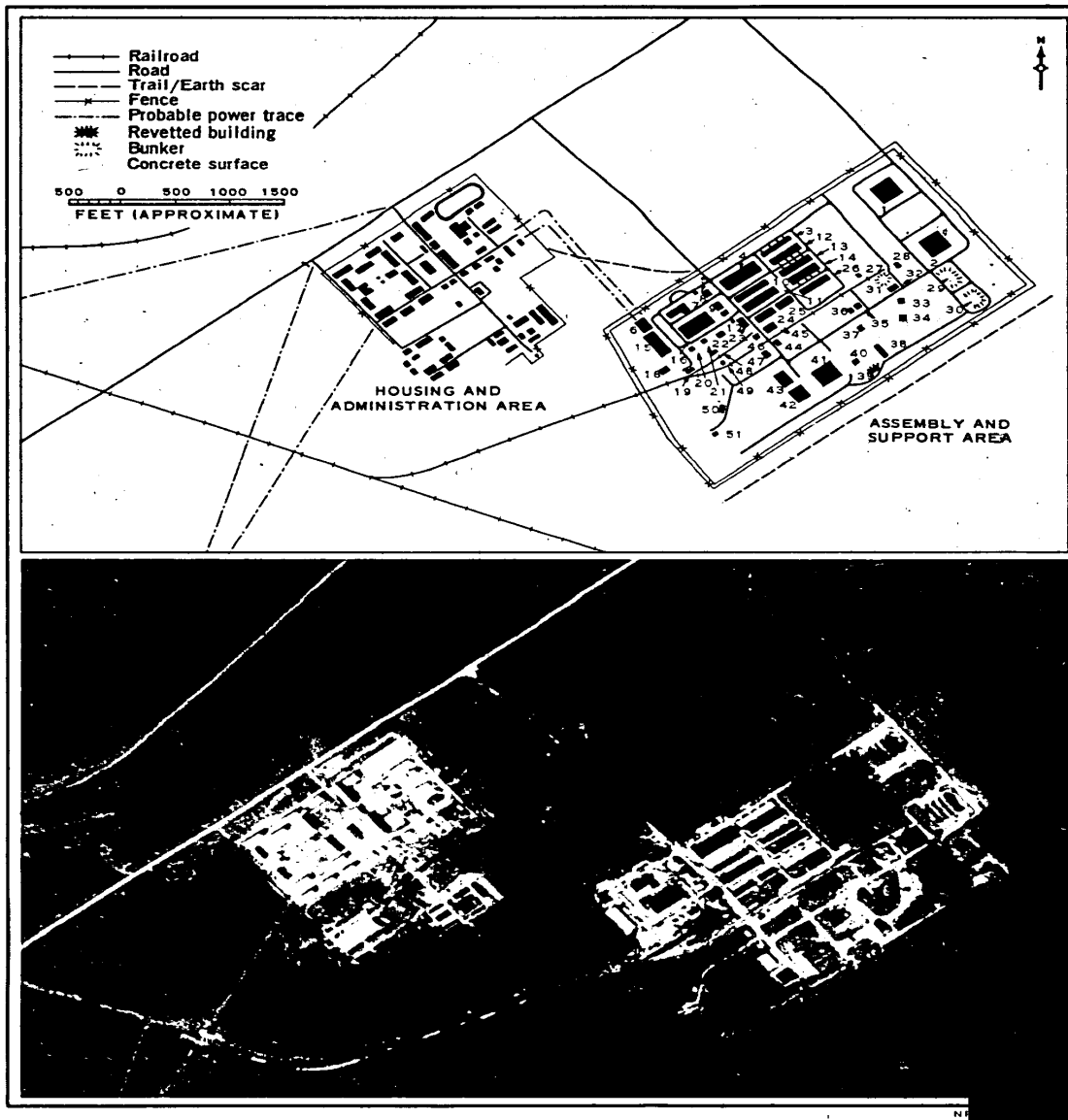


FIGURE 5. FACILITY 3.

25X1A

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rail line indicate that all major assembly may be carried out here for the four facilities.

## Assembly and Support Area

The following list of structures is keyed to the item numbers on Figure 5.

- 1-2. Buildings 25 x 20 feet; gable roofs
3. Building 100 x 50 feet; gable roof
4. Building 95 x 55 feet; gable roof
5. L-shaped building 110 x 65 x 30 feet; gable roof
6. Storage building 265 x 95 feet; concrete apron between it and Item 7; gable roof
7. Storage building 250 x 75 feet; concrete apron between it and Item 6; gable roof
8. Building 90 x 50 feet; gable roof
9. Building 50 x 25 feet; probably gable roof
10. Building 180 x 70 feet; probably flat roof
11. Support building 100 x 40 feet; flat roof
12. Central heating plant 150 x 75 feet; conveyer from rail spur to plant
- 13-15. Revetted storage buildings 235 x 95 feet; each has wide concrete apron at entrance; gable roofs
16. Revetted storage building 100 x 60 feet; gable roof
17. Storage building 230 x 60 feet; concrete apron between it and Item 18; gable roof
18. Storage building 250 x 75 feet; concrete apron between it and Item 17; gable roof
19. Probable vehicle shed 275 x 115; corrugated roof
20. Probable storage tank 50 feet in diameter
21. Unidentified structure 350 x 110 feet; flat roof
22. Building 50 x 20 feet; gable roof
- 23-24. Support buildings 100 x 40 feet; gable roofs
25. Revetted storage building 90 x 50 feet
26. Building 25 x 25 feet; roof type undetermined
27. Drive-through probable checkout building 75 x 35 feet; probably gable roof
28. Revetted storage building 110 x 50 feet
29. Bunker 110 x 110 feet
30. Revetted storage building 100 x 65 feet; probably flat roof
31. Revetted storage building 75 x 30 feet; flat roof
32. Building 90 x 55 feet; earthen blast wall east of building; flat roof
- 33-34. Drive-through probable checkout buildings 75 x 35 feet; gable roofs
35. Probable checkout building 105 x 60 feet; flat roof
36. Revetted possible storage building approximately 50 x 50 feet; flat roof
37. Revetted probable oxidizer storage tank 25 feet in diameter
38. Revetted storage building 25 x 25 feet; flat roof
39. Probable drive-through building 50 x 50 feet; flat roof
40. Building 90 x 65 feet; flat roof
41. Building 50 x 50 feet; flat roof
- 42-43. Buildings 75 x 35 feet; gable roofs
44. Storage building 120 x 40 feet; gable roof
45. Building 25 x 25 feet; roof type undetermined
- 46-47. Drive-through probable checkout buildings 75 x 35 feet; gable roofs
48. Drive-through probable checkout building 135 x 75 feet; flat roof
49. Possible checkout building 60 x 30 feet; probably drive-through; flat roof
50. Drive-through assembly/checkout building 225 x 75 feet; probably flat roof
- 51-54. Drive-through assembly buildings 345 x 145 feet; monitor roofs
55. Building 25 x 25 feet; probably flat roof
56. Object in dense vegetation; at least 20 feet in diameter

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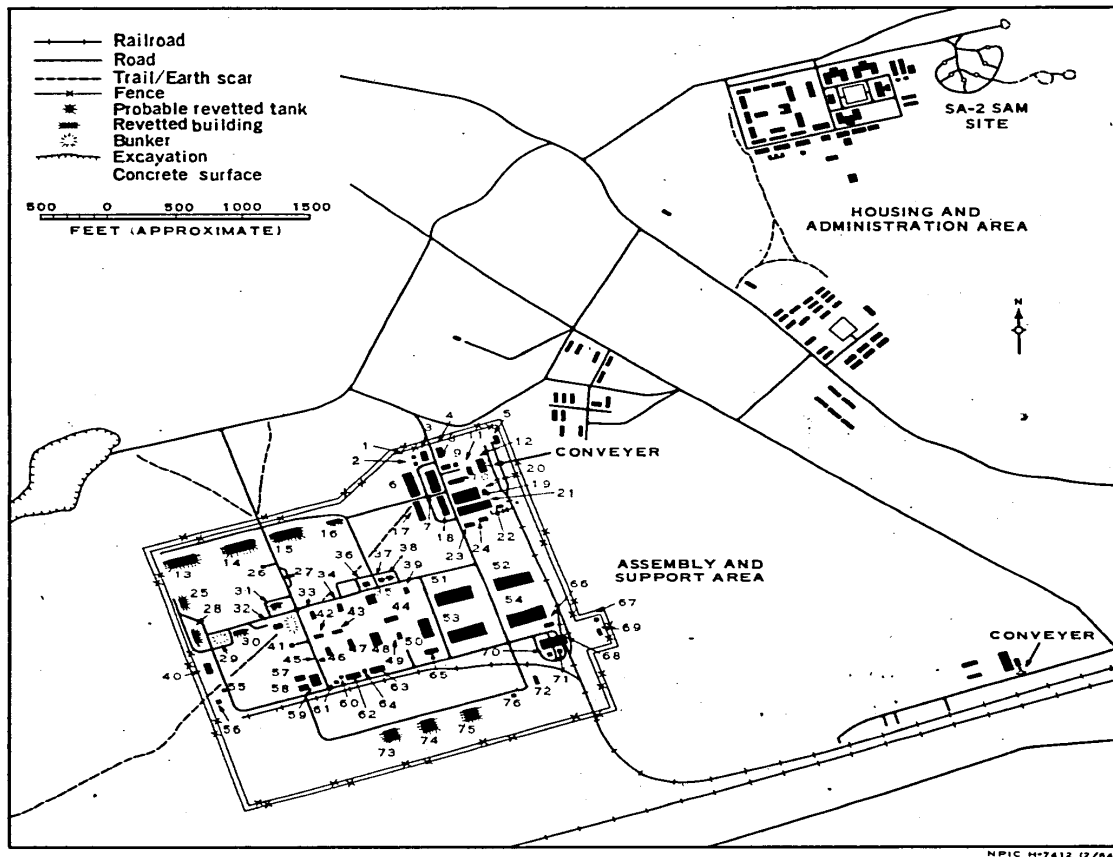


FIGURE 6. FACILITY 4.

- |        |  |        |   |
|--------|--|--------|---|
| 57-58. | Buildings 90 x 65 feet; flat roofs         | 68.    | Drive-through probable assembly building 225 x 85 feet; two |
| 59.    | Building 150 x 80 feet; flat roof          |        | hard-surfaced roads and a rail spur                         |
| 60.    | Building 25 x 25 feet; probably flat roof  |        | pass through the building; probably low-                    |
| 61.    | Building 40 x 40 feet; probably flat roof  |        | pitched gable roof  |
| 62-63. | Buildings 115 x 90 feet                    | 69.    | Building 50 x 35 feet; probably gable                       |
| 64.    | Building 65 x 65 feet; flat roof           |        | roof  |
| 65.    | Storage building 120 x 40 feet; gable roof | 70-71. | Buildings 75 x 75 feet; encircled by con-                   |
| 66.    | Building 35 x 35 feet; gable roof          |        | crete roads; probably flat roofs                            |
| 67.    | Possible tower                             |        |   |

25X1D





25X1D

FIGURE 7. FACILITY 4, 25X1D

- 72. Building 100 x 65 feet; 80-foot-wide concrete apron at entrance; gable roof
- 73. Storage building 90 x 85 feet; revetted on three sides; probably flat roof
- 74-75. Storage buildings 150 x 130 feet; revetted on three sides; probably flat roofs
- 76. Building 25 x 25 feet; roof type undetermined

**Housing and Administration Area**

**Administration buildings, multistory:**

- 3 U-shaped 235 x 125 feet
- 1 U-shaped 110 x 65 feet
- 1 T-shaped 190 x 155 feet
- 1 multiwinged 115 x 65 feet

**Barracks, multistory**

- 7 180 x 45 feet

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8 105 x 45 feet  
6 140 x 40 feet  
3 125 x 50 feet  
4 90 x 40 feet  
4 65 x 45 feet

1 155 x 80 feet  
Possible water tower, 30 feet in diameter  
Between the facility and the main support area there are two probably associated housing areas containing 47 buildings.

## CONCLUSIONS

25X1D The quality of [REDACTED] KEYHOLE photography does not permit a detailed analysis of the facilities, but comparison of this photography with that of later missions indicates that no new significant construction had occurred since [REDACTED].  
25X1D The lack of photographic coverage in the [REDACTED] period and the quality of photography from [REDACTED] until [REDACTED] preclude the possibility of establishing that construction at the facilities was concurrent with initial construction of the probable AMM launch complexes.

Although the four facilities are similar in

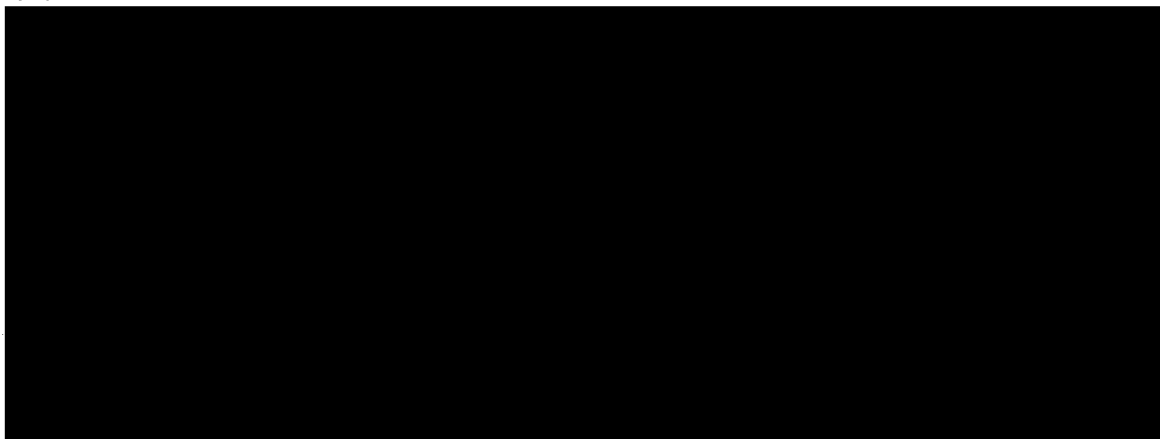
the probable missile checkout flow pattern, other elements differ. Facility 4 is the only one with four large assembly-type buildings. It is possible that all major assembly is carried out there, with only subassembly being carried out at the other three facilities. The extent of rail transfer and offloading capabilities at Facility 4 also supports this conclusion.

The four facilities are readily accessible to the probable AMM complexes and appear to be able to service them, but this cannot be ascertained from available photography.

## REFERENCES

### PHOTOGRAPHY

25X1D



25X1D

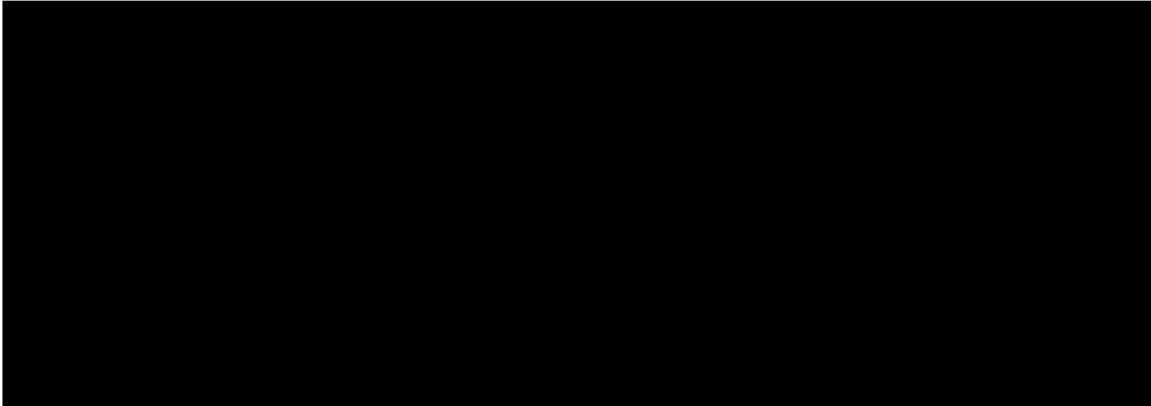
Approved For Release 2001/03/03 : CIA-RDP78T05439A000300260042-8

Approved For Release 2001/03/03 : CIA-RDP78T05439A000300260042-8

TOP SECRET CHESS RUFF

NPIC/R-141/64

REFERENCES (Continued)



25X1D

MAPS OR CHARTS

Facilities 1 and 2:

ACIC. US Air Target Chart, Series 200, Sheet 0103-25HL, 3d ed, Jun 62, scale 1:200,000 (SECRET)

Facilities 3 and 4:

DIA. US Air Target Chart, Series 200, Sheet 0153-4HL, 2d ed, May 63, scale 1:200,000 (SECRET)

DOCUMENTS

1. CIA. HTA-R4-57, A Metric Analysis of Missile Sites and Assembly Installations around Moscow, Jun 57 (TOP SECRET TALENT)
2. CIA. NPIC-R-132, 63, Preliminary Study, SA-2 SAM Support Facilities, USSR and Satellites, Jul 63 (TOP SECRET CHESS RUFF/No Foreign Dissem)

REQUIREMENTS

Army. TK-SRI-9-1-61

CIA. C-RR3-60,459

NPIC PROJECT

J-260, 63